

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U - 49672
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRUST NAME
2. NAME OF OPERATOR William G. Bush (303) 243-0493		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 619 Viewpoint Drive Grand Junction, Co. 81501		8. FARM OR LEASE NAME Government
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1736' West Line & 1817' South Line At proposed prod. zone		9. WELL NO. Wilson - Bush 11-2A
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Nine miles North of Harley Dome, Utah		10. FIELD AND POOL, OR WILDCAT Wildcat MANCOS FLAT
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 432 ft.	16. NO. OF ACRES IN LEASE 560	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 11 T 18 South R 24 East
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 860 ft.	19. PROPOSED DEPTH 1850 ft.	12. COUNTY OR PARISH Grand
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4933 Ground		13. STATE Utah
20. ROTARY OR CABLE TOOLS Rotary		17. NO. OF ACRES ASSIGNED TO THIS WELL 10
22. APPROX. DATE WORK WILL START* October 20, 1983		

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	7"	23	150	50

I propose to drill a Fractured Mancos Shale test. The total depth will be 1850 feet. I will set 150 feet of surface casing and cement it to surface with 50 sacks of cement. Hole will be air drilled and I will install a Shaffer B.O.P. & rotating head. Hole size will be 6 1/4" and if oil is encountered in the fractured section, production casing will be set. The well will be spudded in the Mancos Shale and will not penetrate the Dakota Formation.

Exhibit A - Survey Plat

Exhibit H- Designation of Operator

Exhibit B- Ten Point Compliance Program

Exhibit I - Production Layout.

303-243-0493

Exhibit C - B.O.P. Schematic

Exhibit D - Multi-Point Requirements -APD

Exhibit E - Route &amp; Distance Map

Exhibit F - Map showing roads &amp; wells by location

Exhibit G - Drill Pad Layout

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED William G. Bush TITLE Operator DATE 9/10/84

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF \_\_\_\_\_APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MININGDATE: 9/17/84BY: John R. Bays

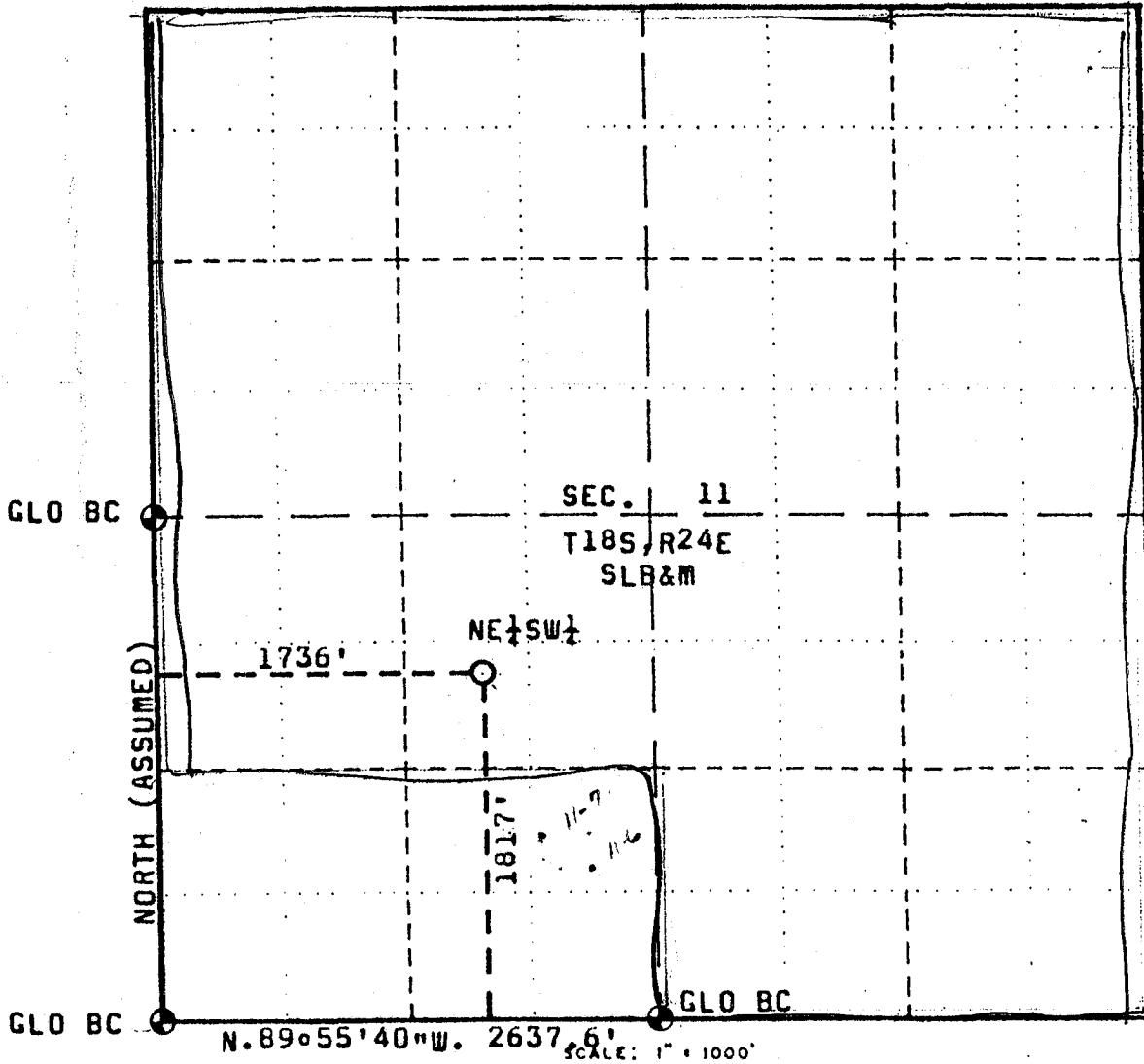
RECEIVED

DATE \_\_\_\_\_

SEP 10 1984

DIVISION OF OIL  
GAS & MINING

# EXHIBIT A



## WILSON-BUSH #11-2A

Located North 1817 feet from the South line and East 1736 feet from the West line of Section 11, T18S, R24E, SLB&M.

Elev. 4933

Grand County, Utah



### SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

*Udell S. Williams*  
Utah RLS No. 2573



UDELL S. WILLIAMS  
751 Road Avenue  
GRAND JUNCTION, COLORADO 81501

PLAT OF  
PROPOSED LOCATION  
WILSON-BUSH #11-2A  
NE 1/4 SW 1/4 SECTION 11  
T18S, R24E, SLB&M

SURVEYED BY: USW DATE: 8/9/84  
DRAWN BY: USW DATE: 8/14/84

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM OF NTL-6

APPROVAL OF OPERATIONS

WILLIAM G. BUSH  
Gov' Wilson-Bush 11-2A  
NE $\frac{1}{4}$  SW $\frac{1}{4}$ , Section 11, T18S, R24E  
Grand County, Utah

1. Geologic Surface Formation

The surface formation is Mancos Shale.

2. Important Geological Markers

<u>Formation</u>	<u>Depth</u>
Mancos Shale	0 to 1850' - Fractures from 1500' to 1850'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

<u>Formation</u>	<u>Depth</u>	<u>Fluids</u>
Fractured Mancos	1500' to 1850'	Oil

4. Proposed Casing Program

Surface Casing:

(a) Drill 10" hole to 150' and set 7" - 23# cement to surface.

(b) Drill 6 $\frac{1}{2}$ " hole to 1850' and set 4 $\frac{1}{2}$ " - 9.5#.

5. Operator's Minimum Specifications for Pressure Control

Exhibit "C" is a schematic diagram of the blowout preventer equipment planned for use in this well. The BOP's will be hydraulically tested to 1000 psi after nipping up and after any use under pressure. Pipe rams will be operationally checked each trip. All tests will be recorded in the daily drilling report. Accessories to BOP's include Kelly Cock, safety valve, drill string, BOP and choke with pressure rating equivalent to BOP stack.

6. Type and Characteristics of Proposed Muds

The well will be drilled with air and air mist. One hundred barrels of good quality mud will be on hand mixed up for use in case it is needed to kill well or logging operations.

7. Auxiliary Equipment to be used

(a) Kelly Cock will be kept in the string at all times.

(b) A full opening stabbing valve will be on the floor for use when the Kelly is not in the string.

7. Continued:

- (c) A float will be run at the bit.

8. The Testing, Logging and Coring Programs

- (A) Drill stem tests are not planned at this time.
- (b) The logging program will consist of an Induction Log.
- (c) No coring is planned at this time.
- (d) Drilling samples will be caught at 10' intervals to 10.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

No abnormal gas pressures or temperatures are expected. No hydrogen sulfide or other hazardous gasses or fluids have been reported in the area.

10. Anticipated Starting Date and Duration of Operations

The anticipated starting date is in ~~September~~ September, or as soon as possible after approval of all drilling requirements.

Drilling operations should be completed 8 to 10 days after spudding.

WILLIAM G. BUSH  
GOV'T WILSON-BUSH 11-2A  
NE 1/4 SW 1/4 - Section 11  
T 18 S - R 24 E - Grand Co., Utah

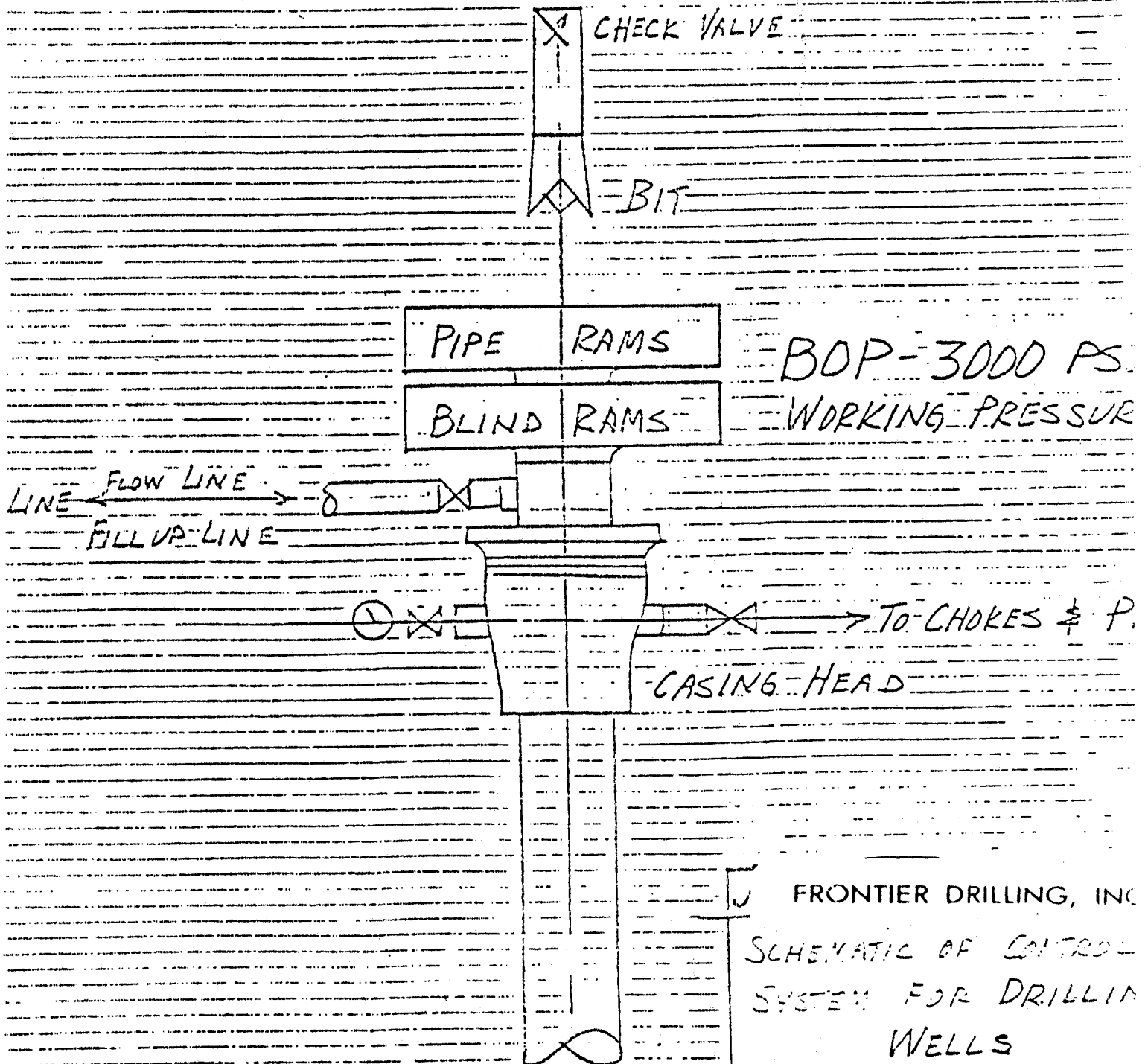


EXHIBIT "C"

EXHIBIT "D"

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

WILLIAM G. BUSH  
Gov't Wilson-Bush 11-2 A  
NE $\frac{1}{4}$  SW $\frac{1}{4}$ , Section 11, T18S, R24E  
Grand County, Utah

1. Existing Roads

- A. Exhibit "A" is the proposed well site as staked by Udell S. Williams and the ground elevation is shown hereon.
- B. Exhibit "E" is the route and distance road map. The location is 30 miles Northwest of Fruita, Colorado. To reach the location travel Westerly on Highway 6 & 50 for 24 miles to the Hay Canyon Road (Utah County Road.) turn right and go 6 miles to the location (Larsen Ranch Road). Turn right and go 600' to location.
- C. Exhibit "F" is a print of a portion of the Dry Canyon, Utah Quadrangle and shows the access road into the location.
- D. All known existing roads appear on Exhibits "E" and "F".
- E. This is considered a Wildcat Well.
- F. The Utah County road was designed to carry truck traffic. The private road Larsen, will have to be upgraded if production is found.

2. Planned Access Roads

The private road (Larsen) will be upgraded but will require very little work. Enough rock exists in the native soil to carry truck traffic. New road construction will follow Class III road standards. Vegetation will be scraped and stock piled uphill.

- 1. The typical section of the upgraded road will be 16' in width.
- 2. Maximum grade will be 1% or less.
- 3. No turnouts are planned.
- 4. No culverts will be required.
- 5. N/A
- 6. Surface material will be that native to the area.
- 7. No gates, cattleguards or fence cuts will be necessary.
- 8. No new access road is required.

- 3. The Gov't Wilson-Bush 11-2A is considered a Wildcat Well and the known current status of wells within a one-mile radius is shown on Exhibit "F".

4. Location of Existing and/or Proposed Facilities

- A. Within a one-mile radius of this location there is a producing well in the S $\frac{1}{2}$  SW $\frac{1}{4}$  of Section 11, T18S, R24E. There is a dry hole in the NE SW of Section 11 and another dry hole in S $\frac{1}{2}$  SW $\frac{1}{4}$ , Sec. 11. There are four dry holes in Section 10, T18S, R24E.

- B. (1) Exhibit "I" shows all anticipated production facilities.
- (2) The dimensions of production facilities shown on Exhibit "I" are drawn to a scale of 1" = 20'.
- (3) The only construction materials needed from outside the location would be gravel for a pad under separator and/or dehydrator unit.  
Gravel would be trucked into the location.
- (4) If a small pit is required, it will be fenced.

C. The rehabilitation plan is covered in Item 10 following.

5. Location and Type of Water Supply

- A. Water will be trucked from Mack, Colorado.
- B. Water will be trucked over the County Road and Private Road by oilfield water trucks.
- C. No water well is planned.

6. Source of Construction Materials

A., B., C., D.

No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from Fruita, Colorado. No special access other than for the drilling operation is needed.

7. Methods for Handling Waste Disposal

- (1) Drill cuttings will be buried in the reserve pit then covered.
- (2) Drilling fluids will be contained in mud pits. There will be very little fluid because the well will be air drilled.
- (3) Any hydrocarbon liquids produced while drill stem testing or production testing will be collected in a test tank set near the pipe baskets or near the well head. Any unavoidable spills or other adverse substances or materials will be covered or removed immediately during drilling progress or during completion operations.
- (4) Chemical facilities will be provided for human waste.
- (5) Garbage and trash will be placed in a trash cage and hauled away upon completion of the well.
- (6) The reserve pits will be fenced or covered as soon as practical upon removal of the rig. Other pits will be covered as soon as possible after removal of the rig.

8. Ancillary Facilities

No air strips, camps or other living facilities will be built off the location.

9. Well Site Layout

(1) Exhibit "G" is the drill pad layout. Topsoil will be stockpiled on West end of pad per pro-drill inspection.

(2) (3) The mud tanks, reserve, burn pit, pipe racks and soil material stockpiles, rig orientation and access road are all shown on Exhibit "H".

(4) The reserve pits will be unlined as no problems have been encountered in the area. If water is produced in production and NTL-2b study will be initiated.

10. Plans for Restoration

- (1) Backfilling, leveling and recontouring will be accomplished as soon as possible after plugging the well, and on those unused areas if production is obtained. Waste disposal and spoils materials will be hauled away.
- (2) Rehabilitation will be accomplished by recontouring as best practical back to blend with original contours. The stockpiled topsoil will be spread along the ripping of the pad. Revegetation will be accomplished using grasses chosen by BLM and landowner.
- (3) Three sides of the reserve pit will be fenced during drilling operations. Upon rig release, the reserve pit will be fenced on the fourth side and will remain until recontouring and cleanup operations are completed.
- (4) Any oil spills will be immediately reported, cleaned up or flagged.
- (5) Rehabilitation operations will commence as soon as practical after rig moves off location. Earth work and seeding will be done during the Fall of 1983.

11. Other Information

Topography of the Immediate Area. (Topographic Map "B")

The location is on level land on the flood plain of Westwater Creek. The area is on the North plunge of the Harley Dome Anticline.

The soil is a sandy loam mixed with grey shale and silt.



11. Continued:

The vegetation in the immediate area is sagebrush, greasewood, yucca, rabbit brush, Russian thistle and range grass.

The fauna of the area consists of cattle, sheep, deer, rabbits, coyotes, marmots, rodents and birds.

The nearest live water is in Westwater Creek, 1500' West of site.

The nearest occupied dwelling is the Spadafora ranch house, approximately 3 miles North of the well site.

There are no visible archaeological, historical or cultural sites within any reasonable proximity to the proposed location.

There are no reported restrictions or reservations noted on the oil and gas lease.

12. Lessee's or Operator's Representative

Mr. William G. Bush  
619 Viewpoint Drive  
Grand Junction, CO. 81501

13. Certification

I hereby certify that I, or persons under my supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by William G. Bush and his contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

Sept 19/84  
Date

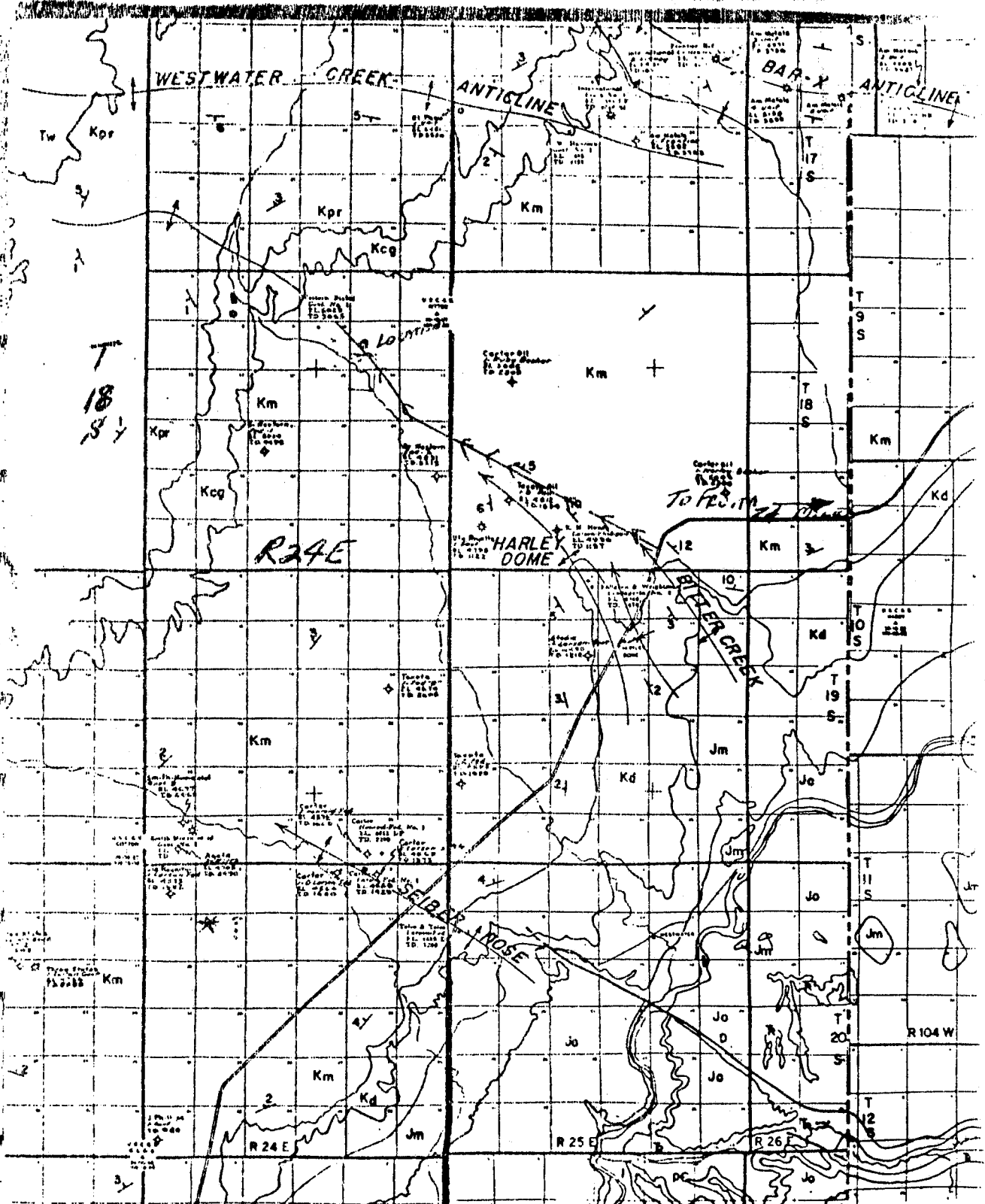
William G. Bush  
Name and Title

Location is just off of the  
County road on the way to Hwy 63.

WILLIAM G. BUSH

NE  $\frac{1}{4}$  SW  $\frac{1}{4}$  T18S, R24E - GRAND COUNTY, UTAH

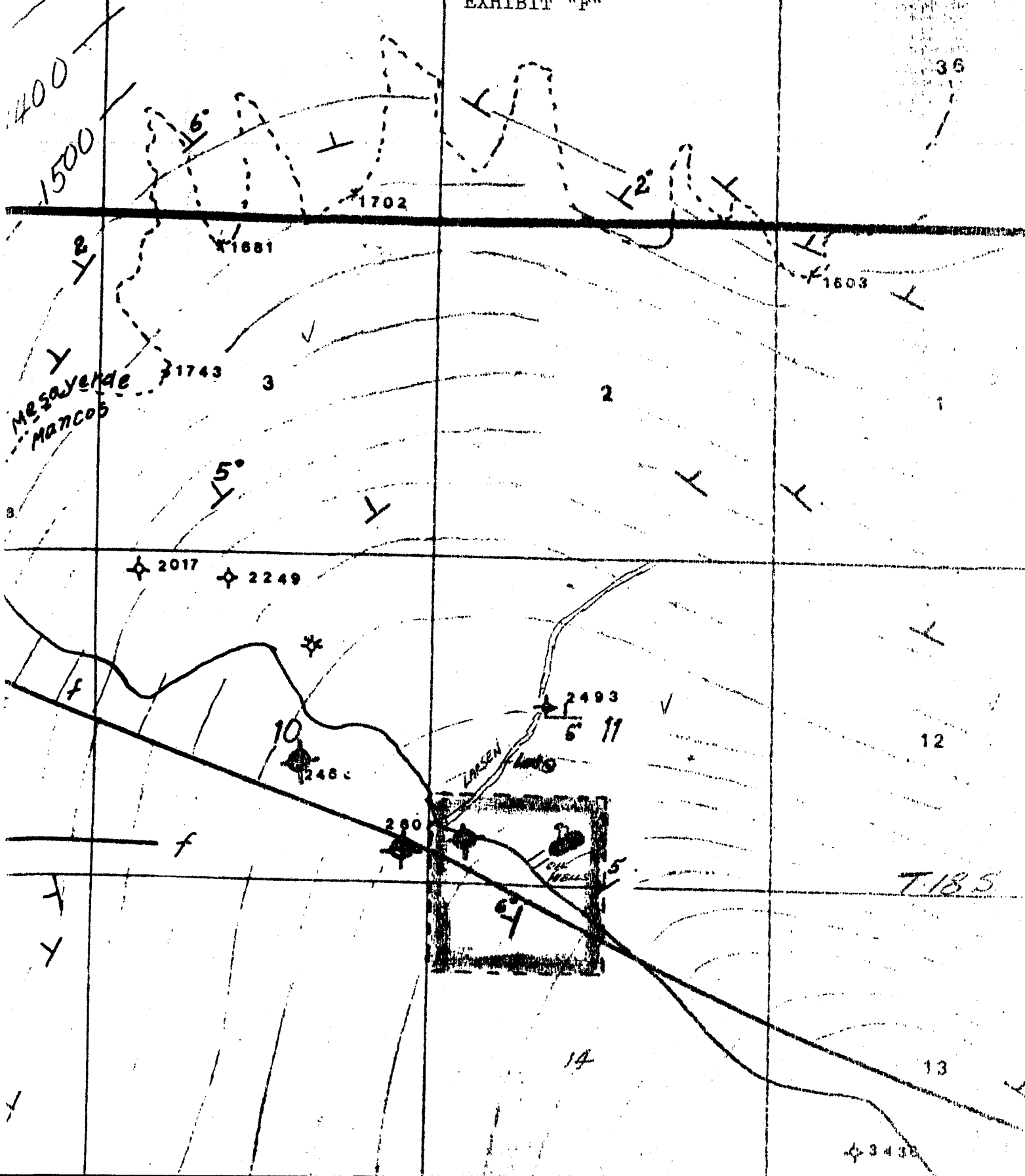
EXHIBIT "E"



R.24E.

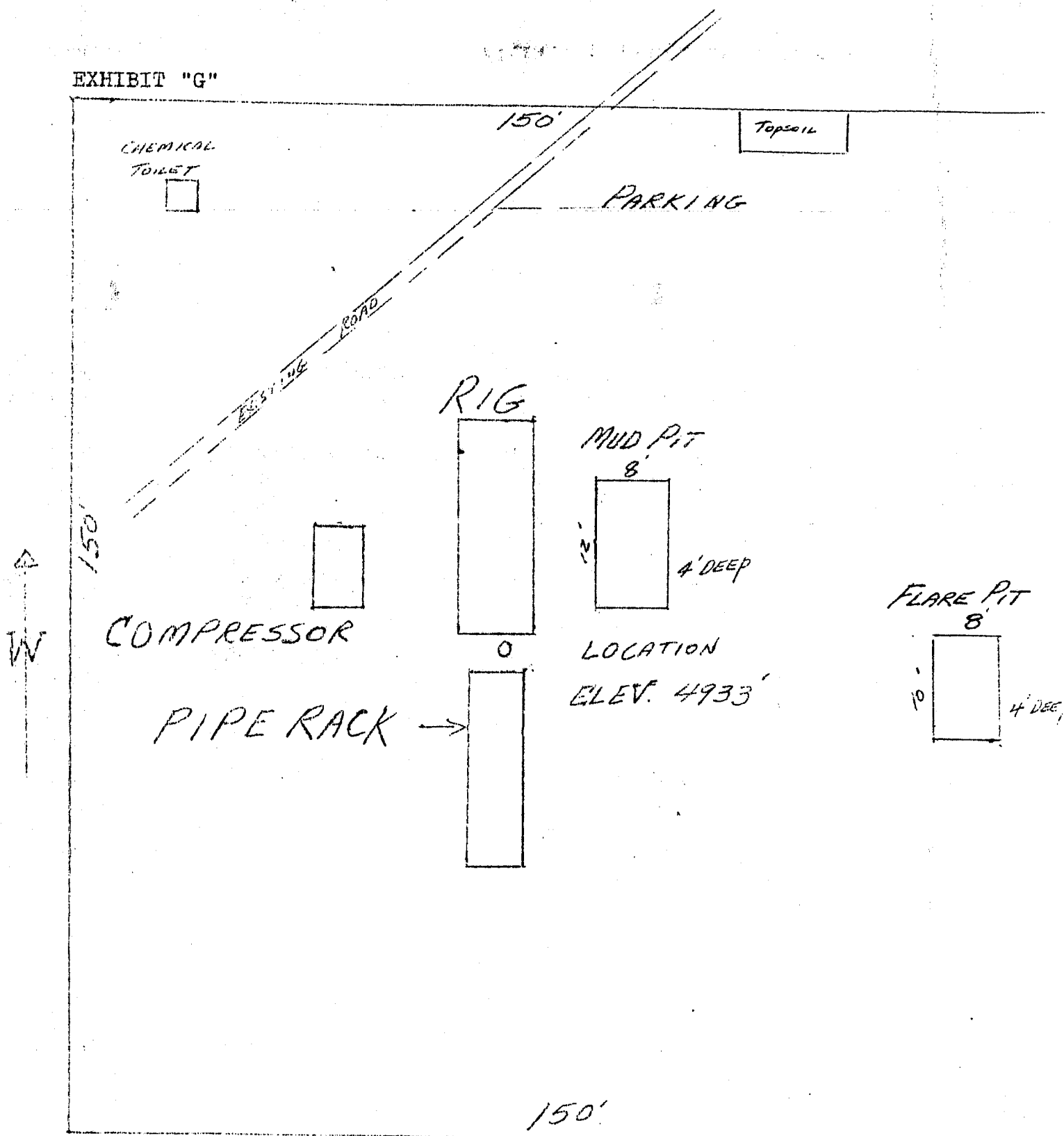
WILLIAM G. BUSH  
GOV'T WILSON-BUSH 11-2A  
NE $\frac{1}{4}$  SW $\frac{1}{4}$  T18S, R24E  
GRAND COUNTY, UTAH

EXHIBIT "F"



WILLIAM G. BUSH  
GOV'T WILSON-BUSH 11-2 A  
NE $\frac{1}{4}$  SW $\frac{1}{4}$  - SECTION 11 - T18S - R24E  
GRAND COUNTY, UTAH

EXHIBIT "G"



1800' F WL  
1820' F SL

EXHIBIT "G"

SCALE 1" = 20'

EXHIBIT "H"

(Submit in triplicate to appropriate  
Regional Oil and Gas or Mining Supervisor)

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah  
SERIAL No.: U - 49672

and hereby designates

NAME: William G. Bush  
ADDRESS: 619 Viewpoint Drive  
Grand Junction, Colorado 81501

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Grand County, Utah

Township 18 South, Range 24 East, SLM

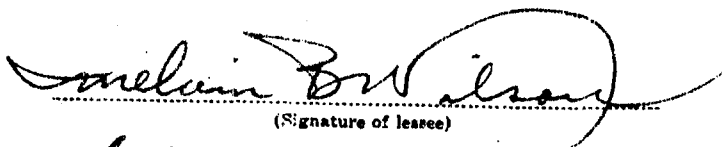
Section 11: N $\frac{1}{2}$ , N $\frac{1}{2}$ SW $\frac{1}{4}$ , SE $\frac{1}{4}$


CONTAINING A TOTAL OF 560.00 ACRES, MORE OR LESS

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

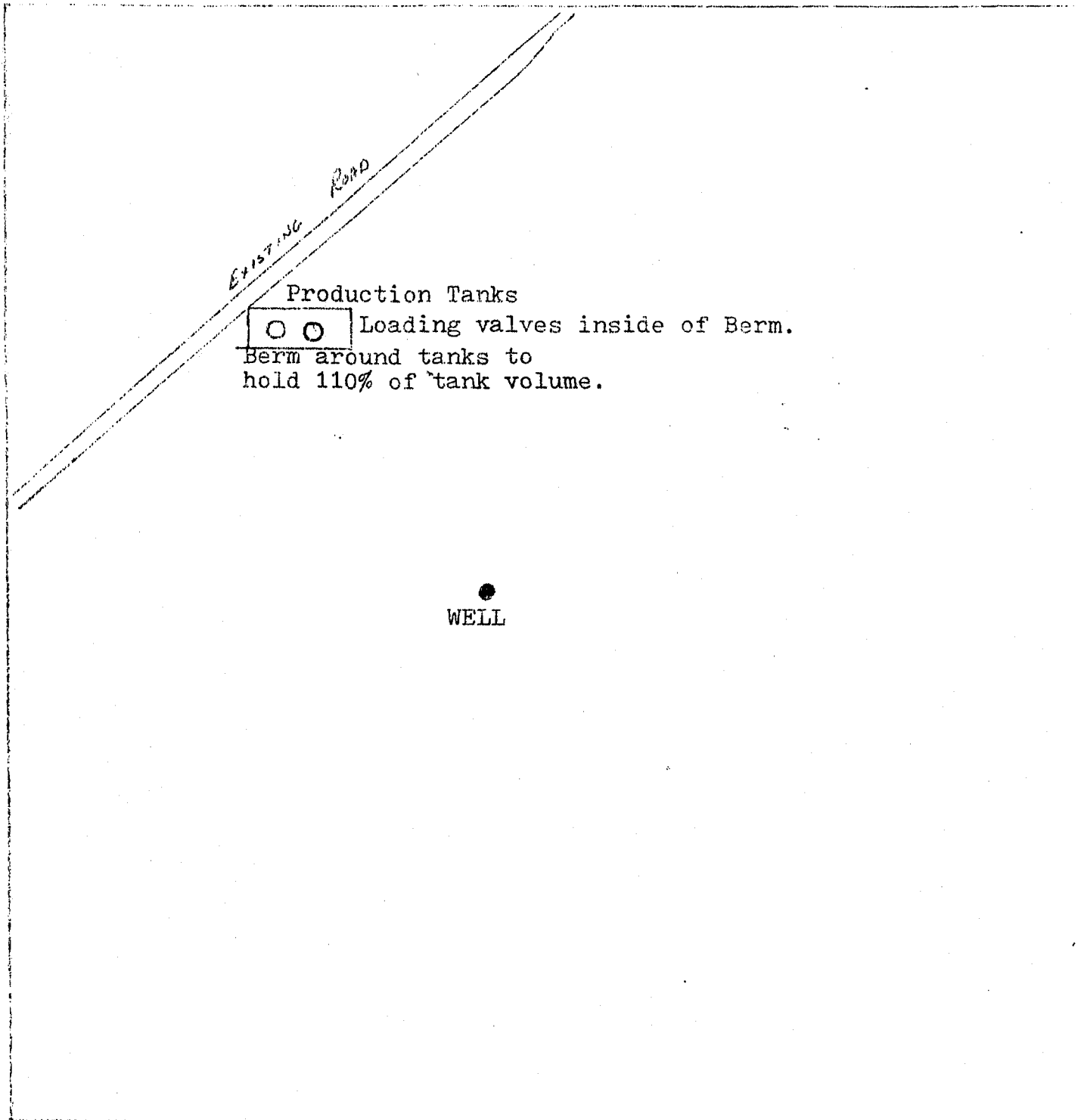
  
(Signature of lessee)

 **MEL WILSON CO.**  
2431 EADS ST.  
LOS ANGELES, CA 90031

17-Aug-1983  
(Date)

WILLIAM G. BUSH  
GOV'T WILSON-BUSH 11-2A  
NE $\frac{1}{4}$  SW $\frac{1}{4}$  SEC.11 - T18S R24E  
GRAND COUNTY, UTAH  
EXHIBIT "I"

PRODUCTION FACILITY LAYOUT



OPERATOR

William G. Bush

DATE

9-13-84

WELL NAME

Wilson - Bush 11-2A

SEC

NE SW 11

T

185

R

24E

COUNTY

Grand43-019-31174

API NUMBER

Sub

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

Not covered in Cause 1941 - granted exception location  
Water of - Trucked from Mack, Co.

~~CHIEF PETROLEUM ENGINEER REVIEW:~~

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. &amp; DATE

☐

c-3-b

☒

c-3-c

SPECIAL LANGUAGE:

1- Approval to recenter Wilson - Bush #11-2 will be  
rescinded prior to spudding this well.

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER \_\_\_\_\_

☐ UNIT \_\_\_\_\_

☐ c-3-b

☒ c-3-c

☒ CHECK DISTANCE TO NEAREST WELL.

☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

☒ VERIFY LEGAL AND SUFFICIENT DRILLING WATER





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 17, 1984

William G. Bush  
619 Viewpoint Drive  
Grand Junction, Colorado 81501

Gentlemen:

Re: Well No. Wilson-Bush #11-2A - NESW Sec. 11, T. 18S, R. 24E  
1817' FSL, 1736' FWL - Grand County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Approval to re-enter the Wilson-Bush #11-2 will be rescinded prior to spudding this well.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2  
William G. Bush  
Well No. Wilson-Bush #11-2A  
September 17, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31174.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals

REC'D MDO SEP 10 1984

Form approved.  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR

## GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

William G. Bush

## 3. ADDRESS OF OPERATOR

619 Viewpoint Drive Grand Junction, Co. 81501

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface 1736' West Line &amp; 1817' South Line

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Nine miles North of Harley Dome, Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

416 ft.

## 16. NO. OF ACRES IN LEASE

560

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

10

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

860 ft.

## 19. PROPOSED DEPTH

1850 ft.

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4933 Ground

## 22. APPROX. DATE WORK WILL START\*

October 20, 1983

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
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303-243-0493

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Exhibit F - Map showing roads &amp; wells by location

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24.

SIGNED

William G. Bush

TITLE

Operator

DATE

9/10/84

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Kenneth V. Rhea

Acting

DISTRICT MANAGER

APPROVED BY

TITLE

DATE

28 SEP 1984

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF  
GAS IS SUBJECT OF NTL 4-A  
DATED 1/1/80

Company: William Bush  
Well No.: Wilson Bush 11-2A  
Location: Sec. 11, T. 18 S., R. 24 E.  
Lease No.: U-49672

CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

1. All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.
2. The pad location or area of operation (disturbance) used for the Wilson Bush 11-2 well will be used for the 11-2A drill pad.
3. All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.
4. When constructing the drill pad for the 11-2A. Avoid the wash along the east edge of the location. A 5 foot buffer area will be maintained from the channel bank.
5. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order. Preventors will be pressure-tested before drilling casing cement plugs.
6. Blooie line will be misted to reduce fugitive dust when air drilling.
7. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.
8. The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

9. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.
10. The spud date will be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
11. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.
12. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
13. If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.
14. Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.
15. A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.
16. No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

17. Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
18. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: 4 ft. tall. The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:

"Fed", "Operator Name", "Well Number, location by 1/4 1/4 section, township and range". "Lease Number".

19. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.
20. All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: slate gray, sand beige, or desert brown.
21. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
22. All loading lines and valves will be placed inside the berm surrounding the tank battery.
23. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
24. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
25. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
26. Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

27. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
28. Produced waste water will be confined to an unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).
29. Fence will be 36 inch woven wire with a single strand of barb wire on top for support.
30. The operator or his contractor will notify the Grand Resource Area at (801) 259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
31. The stockpiled topsoil will be evenly distributed over the disturbed areas.
32. Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.
33. Seed will be broadcast or drilled during the fall of the year. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used:

		lbs/acre
Hilaria jamesii	Galleta (curley grass)	3
Sporobolus airoides	Alkali sacaton	3
Sphaeralcea coccinea	Scarlet globemallow	2
Eurotia lanata	Winterfat (whitesage)	2

10 lbs/ac

If broadcast, double the above application rate.

34. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

35. There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.2.
36. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
37. The dirt contractor will be provided with an approved copy of the surface use plan.
38. If any cultural resources are found during construction, all work will stop and the Area Manager will be notified.
39. This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
40. Post a temporary well sign at time of spudding that identifies the operator, well number, legal descriptor including 1/4 1/4 or footages. If production is established this temporary sign will be replaced with a permanent metal sign.



ONSITE

DATE: \_\_\_\_\_

PARTICIPANTS:

TITLES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Your contact with the District Office is: Robert (Bob) Graff

Office Phone: 801-259-6111 Ext 216

City: Moab State: Utah 84532

Resource Area Manager's address and contacts are: Grand Resource Area

Address: Old Sand Flat Road, P.O. Box M, Moab, Utah 84532

Your contact is: Wayne Svejnoha

Office Phone: 801-259-8193

Home Phone: 801-259-8476

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>DRY HOLE</u>		5. LEASE DESIGNATION AND SERIAL NO. <u>U-49672</u>
2. NAME OF OPERATOR <u>William G. Bush</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <u>6019 VIEWPOINT DRIVE - GRAND JUNCTION CO. 81501</u>		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>1736' WEST LINE X 1817' SOUTH LINE</u>		8. FARM OR LEASE NAME <u>USA</u>
14. PERMIT NO. <u>43-019-31174</u>		9. WELL NO. <u>WILSON BUSH 11-2A</u>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>4993 GR.</u>		10. FIELD AND POOL, OR WILDCAT <u>WILDCAT</u>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec. 11 T18S - R24E</u>
		12. COUNTY OR PARISH <u>GRAND</u>
		13. STATE <u>UTAH</u>

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐FULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☒CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

I will plug the well by pumping 9# mud in the well. I will set a plug from 180' to 80' with 35 sacks of cement. I will set dry hole marker with 10 sacks @ surface.

Surface reclamation will be done according to plan. Land will be broadcast as soon as possible.

203-203-0493

T.D. 1850' Hole was drilled to T.D.  
No water was encountered.

18. I hereby certify that the foregoing is true and correct

SIGNED William G. BushTITLE OperatorDATE 10/7/84

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

ACCEPTED  
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 10/18/84BY: John R. BengeFederal approval of this action  
is required before commencing  
operations.

\*See Instructions on F

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

U - 49672

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

USA

9. WELL NO.

Wilson - Bush 11-2A

10. FIELD AND POOL, OR WILDCAT

Wildcat Marcos Flat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Section 11

Township 18 South

Range 24 East

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1a. TYPE OF WELL:

OIL  
WELL ☐GAS  
WELL ☐DRY ☒

Other

b. TYPE OF COMPLETION:

NEW  
WELL ☐WORK  
OVER ☐DEEP-  
EN ☐PLUG  
BACK ☐DIFF.  
RESVR. ☐

Other

2. NAME OF OPERATOR

William G. Bush

3. ADDRESS OF OPERATOR

619 Viewpoint Drive Grand Junction, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1736'/West &amp; 1817'/South Line

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

43-019-31174

9/17/84

15. DATE SPUDDED

10/4/84

16. DATE T.D. REACHED

10/7/84

17. DATE COMPL. (Ready to prod.)

10/8/84

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

4943 GR.

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

1850' TD

21. PLUG, BACK T.D., MD &amp; TVD

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

→ 0 to 1850'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

None

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	# 23	140	10"	45	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval size and number)

RECEIVED

OCT 26 1984

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. DIVISION OF OIL PRODUCTION

DATE FIRST PRODUCTION GAS &amp; MINING (Flowing, gas lift, pumping—size and type of pump)

WELL STATUS (Producing or shut-in)

PJA

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

William G. Bush

TITLE

Operator

DATE

10/20/84

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				MANCOS	SURFACE	TOTAL DEPTH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other Dry

2. NAME OF OPERATOR  
William G. Bush

3. ADDRESS OF OPERATOR  
619 Viewpoint Drive Grand Junction, Co.

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 1736' West & 1817' South Line

AT SURFACE:

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON\* ☐

(other) ☐

5. LEASE

U - 49672

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

~~XXXXXX~~

8. FARM OR LEASE NAME

USA

9. WELL NO.

Wilson-Bush 11-2A

10. FIELD OR WILDCAT NAME

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 11

T 18 S R 24 E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. API NO.

43-019-31174

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

I plugged the well by pumping 9# mud in the well. I set a plug from 180 to 80 feet by pumping 35 sacks of cement. I set a plug at surface with 10 sacks and installed dry hole marker.

Location was levelled & disced and grass seed was broadcast. The location area was harrowed.

T.D. was 1850 feet. Hole size 6 1/4". No water was encountered and the well was air drilled to T.D.

RECEIVED

OCT 26 1984

Subsurface Safety Valve: Manu. and Type

DIVISION OF OIL

Set @

Ft.

GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED William G. Bush TITLE Operator DATE Oct. 20, 1984

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED  
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE

BY: John R. B...

\*See Instructions on Reverse Side.